

ABSTRACT OF THE DISCLOSURE

[38] The sensor has four electrodes arranged on a common base, three of which are made as closed circuits, placed one into another, whereas the fourth electrode is placed inside the smallest circuit. The external and the central electrodes form a pair of current-feeding electrodes, whereas the electrodes disposed between them form a pair of measuring electrodes. The second design option of the sensor has three electrodes, two of which are made as closed circuits placed one into another, whereas the third electrode is placed inside the electrode that is smaller. The external and the central electrodes form a pair of current-feeding electrodes, and the electrode arranged between them together with the external or the central electrode form a pair of measuring electrodes. The design of sensors makes it possible to use them in combination with biological signal sensors of non-rheographic modality, for example, pulse wave, temperature. The sensor may be incorporated in wristwatch or bracelet.